

COURSE DETAIL

ENVIRONMENTAL NANOTECHNOLOGY

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

114

UCEAP Course Suffix**UCEAP Official Title**

ENVIRONMENTAL NANOTECHNOLOGY

UCEAP Transcript Title

ENVIRONMNT NANOTECH

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

Nanotechnology is an emerging field that covers a wide range of technologies which are presently under development in nanoscale. It plays a major role in the development of innovative methods to produce new products, to substitute existing production equipment and to reformulate new materials and chemicals with improved performance resulting in less consumption of energy and materials and reduced harm to the environment as well as environmental remediation. Environmental applications of nanotechnology address the development of solutions to the existing environmental problems, preventive measures for future problems resulting from the interactions of energy and materials with the environment, and any possible risks that may be posed by nanotechnology itself. This course gives a comprehensive review on the ongoing research and development activities on environmental remediation by nanotechnology.

Language(s) of Instruction

English

Host Institution Course Number

ENVI130082

Host Institution Course Title

ENVIRONMENTAL NANOTECHNOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Environmental Science and Engineering

Course Last Reviewed

2023-2024

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